Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/10/2017 11:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124105	-1	1.42	124010	1.38
Blue	F	SSC	125000	123250	-2	3.40	123557	3.14
Blue	E	FITC	23355	22772	-3	2.46	1022	10.22
Blue	D	PE	28848	28499	-2	2.00	1027	9.97
Blue	B	PerCP-Cy5-5	47791	47193	-2	3.46	1350	16.93
Blue	A	PE-Cy7	41358	41190	-1	5.22	638	35.52
Red	C	APC	51316	50353	-2	2.89	2909	9.30
Red	A	APC-Cy7	53225	51619	-4	2.98	1075	10.97
Violet	B	V450	14473	13742	-6	4.02	653	9.08
Violet	A	V500	59973	58999	-2	3.76	2623	6.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18853	3.79	607	9	N/A	N/A	Pass
Blue	F	SSC	61058	1.38	540	6	N/A	N/A	Pass
Blue	E	FITC	111	38.83	542	-2	0.0206	122	Pass
Blue	D	PE	226	29.65	540	2	0.1555	255	Pass
Blue	B	PerCP-Cy5-5	214	45.12	629	-1	0.0102	115	Pass
Blue	A	PE-Cy7	70	120.29	682	1	0.0119	19	Pass
Red	C	APC	345	27.64	590	-4	0.0215	131	Pass
Red	A	APC-Cy7	118	41.10	568	-8	0.0061	2184	Pass
Violet	B	V450	80	41.27	467	-4	0.0447	1739	Pass
Violet	A	V500	190	22.76	500	-1	0.0133	249	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.09	0.83
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.66	13.27 - 19.91	N/A	N/A	31.21	31.69	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9622

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments